

GILA RIVER BASIN

09494000 WHITE RIVER NEAR FORT APACHE, AZ

LOCATION--Lat 33° 44'11", long 110° 09'58", in SE_{1/4} sec. 32, T.4 N., R.21 E. (unsurveyed), Gila County, Hydrologic Unit 15060102, in Fort Apache Indian Reservation, on right bank 2,200 ft downstream from highway bridge, 4.5 mi upstream from confluence with Black River, and 11 mi west of Fort Apache.

DRAINAGE AREA--632 mi².

PERIOD OF RECORD--Oct. 1917 to Sept. 1918 (published as "at Wanslee's Ranch"), Oct. 1957 to current year. Monthly discharge only for some periods, published in WSP 1313.

REVISED RECORDS--WRD AZ 1971: 1967(M).

GAGE--Water-stage recorder. Datum of gage is 4,365.99 ft above sea level. Oct. 12, 1917, to Aug. 31, 1918, nonrecording gage at site 2,100 ft upstream at different datum.

REMARKS--Records fair except for estimated daily discharges, which are poor. Small diversions above station for irrigation of about 1,460 acres. Negligible storage above station in several small recreational lakes.

EXTREMES FOR PERIOD OF RECORD--Maximum discharge, 14,600 ft³/s Dec. 18, 1978, gage height, 15.71 ft, from rating curve extended above 7,800 ft³/s on basis of slope-area measurement of peak flow; no flow July 18–21, 1963.

EXTREMES FOR CURRENT YEAR--Peak discharges greater than base discharge of 1,000 ft³/s and (or) maximum (*):

	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
	July 14	1945e	1,190	4.50
	Sept. 10.....	2115e	1,730e	5.40e
	Sept. 11.....	0500e	*3,620	*7.78

Minimum daily discharge, 2.5 ft³/s estimated, June 25, 29, July 7.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	23	34	36	25	36	39	22	e6.0	e3.0	29	22
2	19	24	34	34	32	34	40	23	e6.0	e3.0	24	18
3	20	26	30	33	34	26	40	24	e6.0	e3.0	45	16
4	20	26	31	33	33	e20	41	23	e6.0	e3.0	51	15
5	22	27	35	33	32	26	42	22	e6.0	e3.0	105	14
6	21	30	33	32	33	35	42	22	e6.0	e3.0	61	12
7	32	31	29	32	31	36	54	16	e6.0	e2.5	95	11
8	37	29	34	33	33	42	60	15	e5.5	e3.0	90	12
9	58	26	32	33	34	41	55	13	e5.5	e5.0	94	21
10	44	26	27	32	32	36	60	12	e5.0	e7.0	85	e406
11	36	26	29	33	29	38	58	e12	e5.0	e9.0	60	e1180
12	33	25	36	33	29	40	54	14	e5.0	e9.0	46	418
13	30	25	35	31	33	36	51	14	e4.5	e8.0	35	e180
14	29	26	29	30	33	37	49	e12	e4.5	e80	31	e120
15	28	26	38	28	32	41	46	12	e4.5	79	27	e85
16	26	26	37	32	31	37	44	e11	e4.0	39	29	e60
17	25	27	37	34	31	36	46	e10	e4.0	16	26	e50
18	25	27	37	33	33	35	44	e9.0	e4.0	73	29	e45
19	24	26	37	31	33	39	39	e8.0	e4.0	42	36	e45
20	23	26	36	27	32	33	37	e7.5	e3.5	22	33	e45
21	23	26	35	28	31	33	35	e7.5	e3.5	29	79	e45
22	23	26	34	34	33	33	34	e7.0	e3.0	28	75	e40
23	23	26	33	35	31	36	32	e7.0	e3.0	22	49	e40
24	23	31	33	33	34	37	29	e7.0	e3.0	52	37	e40
25	22	29	31	29	36	36	29	e7.0	e2.5	41	31	e40
26	23	31	31	32	34	33	29	e7.0	e3.0	108	26	37
27	25	28	32	33	32	33	29	e7.0	e3.0	82	21	36
28	25	17	32	33	33	34	29	e7.0	e3.0	183	18	35
29	25	17	33	31	---	39	29	e7.0	e2.5	90	17	36
30	25	24	33	31	---	43	24	e6.5	e3.0	50	18	34
31	24	---	33	31	---	40	---	e6.5	---	36	27	---
TOTAL	831	783	1030	993	899	1101	1240	378.0	130.5	1133.5	1429	3158
MEAN	26.81	26.10	33.23	32.03	32.11	35.52	41.33	12.19	4.350	36.56	46.10	105.3
MAX	58	31	38	36	36	43	60	24	6.0	183	105	1180
MIN	18	17	27	27	25	20	24	6.5	2.5	2.5	17	11
AC-FT	1650	1550	2040	1970	1780	2180	2460	750	259	2250	2830	6260
CFSM	0.04	0.04	0.05	0.05	0.05	0.06	0.07	0.02	0.01	0.06	0.07	0.17
IN.	0.05	0.05	0.06	0.06	0.05	0.06	0.07	0.02	0.01	0.07	0.08	0.19

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 – 2002, BY WATER YEAR (WY)

MEAN	84.34	114.5	125.5	170.3	356.3	570.7	436.4	149.3	69.27	118.7	100.0
MAX	218	715	1125	787	1159	1448	2073	602	187	388	293
(WY)	1984	1987	1979	1993	1980	1985	1979	1973	1973	1967	1988
MIN	26.1	31.7	32.0	32.1	35.5	41.3	12.2	4.35	3.90	26.5	19.0
(WY)	2002	2002	2000	1964	2002	2002	2002	2002	1963	1962	1989

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1957 – 2002

ANNUAL TOTAL	54204	13106.0	199.7
ANNUAL MEAN	148.5	35.91	487
HIGHEST ANNUAL MEAN			1993
LOWEST ANNUAL MEAN			32.5
HIGHEST DAILY MEAN	742	Apr 21	2000
LOWEST DAILY MEAN	17	Nov 28	1978
ANNUAL SEVEN-DAY MINIMUM	20	Sep 28	0.00
ANNUAL RUNOFF (AC-FT)	107500	26000	Jul 18 1963
ANNUAL RUNOFF (CFSM)	0.23	0.057	0.46 Jul 16 1963
ANNUAL RUNOFF (INCHES)	3.19	0.77	525
10 PERCENT EXCEEDS	517	49	1967
50 PERCENT EXCEEDS	58	31	1963
90 PERCENT EXCEEDS	25	6.0	1989

e Estimated